

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

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Naruhide KITADA

Application No.: New U.S. Patent Application

Filed: January 29, 2002

Docket No.: 111828

For: DATA OUTPUT SYSTEM, OUTPUT CONTROL TERMINAL, PROGRAM TO BE
APPLIED TO OUTPUT CONTROL TERMINAL, AND DATA OUTPUT METHOD

PRELIMINARY AMENDMENT

Director of the U.S. Patent and Trademark Office
Washington, D. C. 20231

Sir:

Prior to initial examination, please amend the above-identified application as follows:

IN THE CLAIMS:

Please replace claims 5, 7-10, 17 and 19-20 as follows:

5. (Amended) A data output system according to Claim 2, wherein the data output system establishes a connection between the output control terminal and the mobile terminal so that they can communicate with each other,

the output control terminal includes control command storage means for storing a specific control command for controlling a specific function of the output terminal,

when the mobile terminal position is within a predetermined range on the basis of the output terminal position, the output control terminal transmits a list from which the specific control command is selectable to the mobile terminal, and

when the output control terminal receives the selection of the specific control command, the output control terminal transmits the specific control command in the control command storage means to the output terminal.

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7. (Amended) A data output system according to Claim 5, wherein, when the output control terminal receives a registration request for registering the output terminal from the mobile terminal, the output control terminal transmits a transmission request for transmitting the control command list to the output terminal corresponding to the registration request,

when the output control terminal receives the control command list in response to the transmission of the transmission request, the output control terminal registers the mobile terminal position information obtained by the position information obtaining means as the output terminal position information in the storage means, and registers the received control command list in the control command storage means so that the control command list corresponds to the output terminal position information, and

when the output terminal receives the transmission request for transmitting the control command list, the output terminal transmits the control command list including the specific control command to the output control terminal.

8. (Amended) A data output system according to Claim 5, wherein the output control terminal transmits a response request to the output terminal,

when the output control terminal receives no response in response to the output request, the output control terminal reads from the storage means the output terminal position information for the output terminal which gives no response,

on the basis of the mobile terminal position information obtained by the position information obtaining means, the output control terminal searches for the mobile terminal which is within a predetermined range on the basis of the output terminal position specified by the read output terminal position information,

the output control terminal transmits to the detected mobile terminal a presence confirmation request for confirming the presence of the output terminal which gives no response, and

when the output control terminal receives no presence confirmation in response to the presence confirmation request, the output control terminal clears the registration of the output terminal which gives no response.

9. (Amended) A data output system according to Claim 2, wherein the output terminal is a printer.

10. (Amended) A data output system according to Claim 2, wherein the output terminal is a projector.

17. (Amended) A data output method according to Claim 14, wherein the data output method establishes a connection between the output control terminal and the mobile terminal so that they can communicate with each other,

the output control terminal stores a specific control command for controlling a specific function of the output terminal, and

when the mobile terminal position is within a predetermined range on the basis of the output terminal position, the output control terminal transmits a list from which the specific control command is selectable to the mobile terminal, and

when the output control terminal receives the selection of the specific control command, the output control terminal transmits the stored specific control command to the output terminal.

19. (Amended) A data output method according to Claim 17, wherein, when the output control terminal receives a registration request for registering the output terminal from the mobile terminal, the output control terminal transmits a transmission request for transmitting the control command list to the output terminal corresponding to the registration request,

when the output control terminal receives the control command list in response to the transmission of the transmission request, the output control terminal registers the obtained mobile terminal position information as the output terminal position information, and registers the received control command list so that the control command list corresponds to the output terminal position information, and

when the output terminal receives the transmission request for transmitting the control command list, the output terminal transmits the control command list including the specific control command to the output control terminal.

20. (Amended) A data output method according to Claim 17, wherein the output control terminal transmits a response request to the output terminal,

when the output control terminal receives no response in response to the output request, the output control terminal reads the stored output terminal position information for the output terminal which gives no response,

on the basis of the obtained mobile terminal position information, the output control terminal searches for the mobile terminal which is within a predetermined range on the basis of the output terminal position specified by the read output terminal position information,

the output control terminal transmits to the detected mobile terminal a presence confirmation request for confirming the presence of the output terminal which gives no response, and

when the output control terminal receives no presence confirmation in response to the presence confirmation request, the output control terminal clears the registration of the output terminal which gives no response.

REMARKS

Claims 1-20 are pending. By this Preliminary Amendment, claims 5, 7-10, 17 and 19-20 are amended to eliminate multiple dependencies. Prompt and favorable examination on the merits is respectfully requested.

The attached Appendix includes marked-up copies of each rewritten claim (37 C.F.R. §1.121(c)(1)(ii)).

Respectfully submitted,



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Attachment: Appendix

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APPENDIX

Changes to Claims:

The following are marked-up versions of the amended claims:

5. (Amended) A data output system according to Claim 2 ~~any one of Claims 2 to 4~~, wherein the data output system establishes a connection between the output control terminal and the mobile terminal so that they can communicate with each other,

the output control terminal includes control command storage means for storing a specific control command for controlling a specific function of the output terminal,

when the mobile terminal position is within a predetermined range on the basis of the output terminal position, the output control terminal transmits a list from which the specific control command is selectable to the mobile terminal, and

when the output control terminal receives the selection of the specific control command, the output control terminal transmits the specific control command in the control command storage means to the output terminal.

7. (Amended) A data output system according to Claim 5 ~~one of Claims 5 and 6~~, wherein, when the output control terminal receives a registration request for registering the output terminal from the mobile terminal, the output control terminal transmits a transmission request for transmitting the control command list to the output terminal corresponding to the registration request,

when the output control terminal receives the control command list in response to the transmission of the transmission request, the output control terminal registers the mobile terminal position information obtained by the position information obtaining means as the output terminal position information in the storage means, and registers the received control command list in the control command storage means so that the control command list corresponds to the output terminal position information, and

when the output terminal receives the transmission request for transmitting the control command list, the output terminal transmits the control command list including the specific control command to the output control terminal.

8. (Amended) A data output system according to Claim 5 ~~any one of Claims 5 to 7~~, wherein the output control terminal transmits a response request to the output terminal,

when the output control terminal receives no response in response to the output request, the output control terminal reads from the storage means the output terminal position information for the output terminal which gives no response,

on the basis of the mobile terminal position information obtained by the position information obtaining means, the output control terminal searches for the mobile terminal which is within a predetermined range on the basis of the output terminal position specified by the read output terminal position information,

the output control terminal transmits to the detected mobile terminal a presence confirmation request for confirming the presence of the output terminal which gives no response, and

when the output control terminal receives no presence confirmation in response to the presence confirmation request, the output control terminal clears the registration of the output terminal which gives no response.

9. (Amended) A data output system according to Claim 2 ~~any one of Claims 2 to 8~~, wherein the output terminal is a printer.

10. (Amended) A data output system according to Claim 2 ~~any one of Claims 2 to 8~~, wherein the output terminal is a projector.

17. (Amended) A data output method according to Claim 14 ~~any one of Claims 14 to 16~~, wherein the data output method establishes a connection between the output control terminal and the mobile terminal so that they can communicate with each other,

the output control terminal stores a specific control command for controlling a specific function of the output terminal, and

when the mobile terminal position is within a predetermined range on the basis of the output terminal position, the output control terminal transmits a list from which the specific control command is selectable to the mobile terminal, and

when the output control terminal receives the selection of the specific control command, the output control terminal transmits the stored specific control command to the output terminal.

19. (Amended) A data output method according to Claim 17 ~~one of Claims 17 and 18~~, wherein, when the output control terminal receives a registration request for registering the output terminal from the mobile terminal, the output control terminal transmits a transmission request for transmitting the control command list to the output terminal corresponding to the registration request,

when the output control terminal receives the control command list in response to the transmission of the transmission request, the output control terminal registers the obtained mobile terminal position information as the output terminal position information,

and registers the received control command list so that the control command list corresponds to the output terminal position information, and

when the output terminal receives the transmission request for transmitting the control command list, the output terminal transmits the control command list including the specific control command to the output control terminal.

20. (Amended) A data output method according to Claim 17 ~~any one of Claims 17 to 19~~, wherein the output control terminal transmits a response request to the output terminal,

when the output control terminal receives no response in response to the output request, the output control terminal reads the stored output terminal position information for the output terminal which gives no response,

on the basis of the obtained mobile terminal position information, the output control terminal searches for the mobile terminal which is within a predetermined range on the basis of the output terminal position specified by the read output terminal position information,

the output control terminal transmits to the detected mobile terminal a presence confirmation request for confirming the presence of the output terminal which gives no response, and

when the output control terminal receives no presence confirmation in response to the presence confirmation request, the output control terminal clears the registration of the output terminal which gives no response.